

PEREPELKIN, V.P.; ZAYTSEVA, A.M.; SHORYGINA, N.V.; CHERNOVA, A.G.

Heat resistant materials for radio sockets for use under tropical  
conditions. Plast.massy no.8:67-69 '62. (MIRA 15:7)  
(Plastics) (Radio--Equipment and supplies)

S/191/63/000/002/008/019  
B101/B186

**AUTHORS:** Peredelkin, V. P., Srikhanov, I. M., Sindarovskaya, A. S.

**TITLE:** Intensification of the molding process of phenoplast products

**PERIODICAL:** Plasticheskiye massy, no. 2, 1963, 22-26

**TEXT:** Stimulated by Western experience, the Karacharovsky zavod plastmass (Karacharovo Plastics Plant) made some preliminary tests to shorten the molding process of thermosetting resins by preheating in a superhigh-frequency generator. A 40 Mc/sec generator was built, power 4-6 kw, anodic voltage 4700 v, feeding by 380-v, three-phase alternating current. The change in fluidity and curing rate of K-18-2 (K-18-2), K-17-2 (K-17-2), and K-15-2 (K-15-2) plastics was investigated. Results: The fluidity was increased by 25% using the 40 Mc/sec generator. To reach maximum fluidity, heating to 150-155°C was necessary. The time of heating should not exceed 7-10 sec to prevent premature curing. Preheating accelerated the curing rate by 50%. An 80% shortening of the time that

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L 5290-66 EWT(m)/EPP(c)/EWP(j) RPL WH/TH  
ACC NR: AP5022052

SOURCE CODE: UR/0286/65/000/014/0129/0129

AUTHORS: Guseva, I. A., Mal'kov, M. S., Makarov, Yu. A., Kulev, E. A., Isaylova, I. S., Shvareva, G. M., Khantsis, R. Z., Gladyshev, A. I., Perepelkin, V. P., Nikitina, D. M., Cherkunin, K. I., Rodziminikly, V. V.

ORG: none

TITLE: Method for obtaining copolymers, Class 39, No. 144021

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 14, 1965, 129

TOPIC TAGS: copolymer, pressure casting

ABSTRACT: This Author Certificate presents a method for obtaining copolymers on the basis of methyl methacrylate and esters of acrylic acid by a suspension method. To obtain colorless copolymers suitable for fabricating products by casting under pressure, higher alcohols, e.g., octyl, as a plasticiser, esters of phthalic acid, e.g., dicyclohexyl, as a stabiliser, and derivatives of aminocoumarone, e.g., phenyl ester of (naphtho-1<sup>st</sup>, 2<sup>nd</sup>, 5<sup>th</sup>)-triazoline (2<sup>nd</sup>)-stilbene-2-sulfonic acid, as a clarifier are added to the mixture.

SUB CODE: MT, GC/ SUBM DATE: 15May61/ ORIG REF: 000/ OTH REF: 000

Card 1/1

090,0501

LIPOVETSKIY, G.S.; GOL'DINA, B.G.; KUL'KOVA, I.A.; PEREPEL'KIN, V.F.; DENISOVA, A.A.; MANEVICH, Ye.I.; SMIRNOVA, M.G.

Sutureless joining of tissues; experimental study on cyacrine glue.  
Eksper. khir. i anest. 9 no.1:3-6 Ja-F '64. (MIRA 17:12)

1. Institut eksperimental'noy khirurgicheskoy apparatury i instrumentov Ministerstva zdravookhraneniya SSSR, Moskva.

BR

ACCESSION NR: APL028544

8/0191/64/000/004/0009/0013

AUTHOR: Pereselkin, V. P.

TITLE: Introduction of chromophoric groups into the macromolecule of vinyl polymer

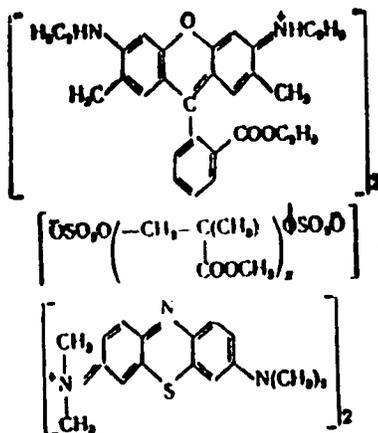
SOURCE: Plasticheskiye massy\*, no. 4, 1964, 9-13

TOPIC TAGS: vinyl polymer, coloring, chromophoric group, emulsion polymer, heteropolar bond, polymer property, basic dye, polymethine dye, colorimetry, molecular weight determination, transparent colored plastic, paint, varnish, polygraphic industry, chromophore introduction, polymer application, solubility, dielectric property, physical mechanical property, thermomechanical property

ABSTRACT: The coloring of vinyl emulsion polymers by forming heteropolar bonds between the terminal vinyl polymer acid groups and chromophores was investigated. Properties of the colored polymers and the possibility of applying them in technology were studied. Experiments conducted with a number of basic and polymethine dyes showed the same results: the emulsion polymer latex coagulated and the colored polymer precipitated. Other classes of dyes do not

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ACCESSION NR: AP4028544



The polymers with terminal chromophoric groups are similar to the original polymer in all physical-mechanical, thermomechanical and dielectric properties except for solubility. It may be possible to use this method of introducing chromophoric groups into polymers to obtain a whole gamut of transparent colored plastics suitable for the

Coro /4

ACCESSION NR: AP4028544

paint and varnish and polygraphic industries. Orig. art. has:  
3 tables, 4 figures, 3 equations and 3 formulae

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 28Apr64

ENCL: 00

SUB CODE: MA, CH

NR REF SOV: 006

OTHER: 010

Card 4/4

PEREFELKIN, V.P.

In connection with N.F. Nakonechnyi's and B.Kh. Khan's article  
entitled "Nitriding metal manganese by ammonia." Izv.vys.ucheb.  
sav.; chern.met. 6 no.1:49-51 '63. (MIRA 16:2)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metal-  
lurgii.  
(Case hardening) (Nakonechnyi, N.F.) (Khan, B.Kh.)

FEREPKIN, V.P.; TRIKHANOV, I.M.; SINDAROVSKAYA, A.S.

Means of intensifying the processes of compression molding of  
articles made of phenoplasts. Plast.massy no.2:22-26 '63.  
(MIRA 16:2)

(Plastics--Molding)

PEREPKIN, V.P., inzh.; BOGOLYUBOV, V.A., kand.tekhn.nauk

High-nitrogen addition alloys. Stal' 20 no.9:813-816 S '60.  
(Case hardening) (Nitrogen) (MIRA 13:9)

PEREPEL'KIN, Vitaliy Petrovich; LYANDZBERG, G.Ya., red.; TELYASHOV,  
~~LYANDZBERG, G.Ya., red.;~~ BELOGUROVA, I.A., tekhn. red.

[Polypropylene, its properties and methods of processing it]  
Polipropilen, ego svoistva i metody pererabotki. Leningrad,  
1963. 30 p. (Leningradskii dom nauchno-tekhnicheskoi propa-  
gandy. Obmen peredovym opytom. Seria: Sinteticheskie materialy,  
no.1) (MIRA 16:9)

(Polypropylene)

ANTOSHINA, N.V.; ASTAF'YEV, G.V.; BABKIN, S.I.; BELAVIN, N.F.;  
BELEN'KIY, V.A.; BERZIN, I.P.; BOBROV, B.S.;  
VOLKOV, A.M.; GRITSAN, Yu.Ya.; KUKUSEKIN, L.I.; FERAPELKIN,  
V.P.; PETROVA, N.P.; GESELEVICH, A.M., red.; DEKHTYAR', Ye.G.,  
red.

[New surgical apparatus and instruments; a practical manual  
for physicians, students of senior courses at medical insti-  
tutes and surgical nurses] Novye khirurgicheskie apparaty i  
instrumenty; prakticheskoe rukovodstvo dlia vrachei, studen-  
tov starshikh kursov meditsinskikh institutov i operatsion-  
nykh sester. Moskva, Meditsina, 1964. 253 p.

(MIRA 18:3)

MUKHIN, V.F.; PEREPEL'KIN, V.S.

Producing the complement fixation reaction by the drip method in  
the serological diagnosis of influenza. Lab. delo 7 no. 7:41-44 J1  
'61. (MIRA 14:6)

(COMPLEMENT FIXATION)

(INFLUENZA)

PEREPELKIN, V.S.; ZAHOLOTNOV, V.I.; VORTYNTSEV, D.I.; NEKRASOV, I.L.

Coli enteritis in adults and the carrier state of enteropathogenic  
Escherichia coli. Zhur. mikrobiol., epid. i immun. 40 no. 8:  
122-125 Ag '63. (MIRA 17:9)

L 11391-66 EWT(n) CIAAP DM

ACC NO: AP5028437

SOURCE CODE: UR/0089/65/019/001/0065/0067

AUTHOR: Konstantinov, A. A.; Perepelkin, V. V.; Kochin, A. Ye.

ORG: none

TITLE: International comparisons of the specific activity of <sup>32</sup>P, <sup>60</sup>Co, and <sup>204</sup>Tl solutions and the activity of <sup>60</sup>Co solid sources

SOURCE: Atomnaya energiya, v. 19, no. 1, 1965, 65-67

TOPIC TAGS: radiation chemistry, radioisotope<sup>19</sup>, solution property, phosphorus, cobalt, thallium, scientific standard

ABSTRACT: Work on the international standardization of the specific activity of <sup>32</sup>P, <sup>60</sup>Co, and <sup>204</sup>Tl dissolved sources and <sup>60</sup>Co solid sources (i.e., specially prepared <sup>60</sup>Co sources on thin films), carried out in Jan. 1961 and in March and April 1963 in national laboratories of several countries, is described. Results are presented for <sup>32</sup>P, <sup>60</sup>Co solutions and <sup>60</sup>Co solid sources. Orig. art. has: 3 figures. NA

SUB CODE: NP, GC, GO / SUBM DATE: 09Jul64 / ORIG REF: 002 / OTH REF: 004

6-11/1

UDC: 539.16.08

31  
13

E 15386-65 INT( )/T I/P(c)

ACCESSION NR: AP5002152

S/0120/64/000/006/0069/0072

AUTHOR: Konstantinov, A. A.; Perepelkin, V. V.

TITLE: Determination of the self-absorption of Co<sup>60</sup> beta particles in activity measurements by a proportional 4 pi-counter 19

SOURCE: Pribory i tekhnika eksperimenta, no. 6, 1964, 67-72

TOPIC TAGS: beta particle selfabsorption, radioactivity measurement nm

ABSTRACT: The self-absorption (SA) of Co<sup>60</sup>  $\beta$ -particles in sources prepared from a drop of CoCl<sub>2</sub> solution on a thin film is determined by comparing the  $\beta$ - and  $\gamma$ -radiations of these sources with like radiations of "reference" sources which are practically free from SA. The reference sources were prepared by vacuum-vaporization of metallic radioactive Co onto thin films. It was found that SA increases with an increase in size of the crystals of the source. By combining the method of absolute count of  $\beta$ -particles with the method of relative

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D 21386-65

ACCESSION NR: AP500252

measurement of  $\beta$ -radiation, the SA was measured in very thin films and also in  $\text{Cs}^{137}$ . SA in  $\text{Co}^{60}$  films was measured with an error of 0.5%; the result, 4.70 microcurie/g, is in exact agreement with the value of specific activity of the  $\text{Co}^{60}$  solution as determined by the  $4\pi\beta-\gamma$ -coincidence method and is in good agreement with the value 4.699 microcurie/g obtained by 25 laboratories in various countries. Orig. art. has: 2 figures, 2 formulas, and 1 table.

ASSOCIATION: VNIIMetrologii (VNIIM of Metrology)

SUBMITTED: 15Nov63

ENCL: 00

SUB CODE: NP

NO REF SOV: 002

OTHER: 002

Card 2/2

KONSTANTINOV, A.A.; KOCHIN, A.Ye.; PEREFILKIN, V.V.

Standard unit USCh-5. Nov. nauch.-issl. rab. po metr. VNIIM  
no.2:4-7 '64. (MIRA 18:4)

KONSTANTINOV, A.A.; PEREPELKIN, V.V.

Relation between the activity and external radiation of extended  
Sr<sup>90</sup> and Y<sup>90</sup>  $\beta$ -emitters. Nov. nauch.-issl. rab. po metr. VNIIM  
no.2:8-11 '64. (MIRA 18:4)

KONSTANTINOV, A.A.; SEMENOV, V.I.

Determination of the specific activity of beta particles by means of  
activity measurements with a proportional  $\beta$ -counter. *Tr. Vsesoyuzn. nauch.-issled. inst. tekhn. ekol.* 9 no.01:1-7. Feb 1961. (USSR)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tekhn. ekol.  
im. I.I. Lomonosova.

ALEKSEYEV, V.Ya.; KONSTANTINOV, A.A.; PEREPELKIN, V.V.; SOKOLOVA, I.A.;  
TRISHIN, N.V.

Apparatus for measuring external alpha and beta emissions and  
the relative nonuniformity of the distribution of activity  
over the surfaces of large distributed alpha and beta emitters.  
Trudy inst. Kom. stand., mer i izm. prib. no.69:23-41 '62.  
(MIRA 17:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii  
im. Mendeleeva.

KONSTANTINOV, A.A.; SAZONOVA, T.Ye.; PEREPEL'KIN, V.V.

Determining the coefficients of X-rays L-fluorescence of Ga<sup>71</sup>,  
Ca<sup>65</sup> and V<sup>51</sup>. Izv. AN SSSR Ser. fiz. 24 no.12:1480-1483 D '60.  
(MIRA 13:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii im.  
D.I.Mendeleeva.

(Gallium--Isotopes) (Copper--Isotopes)  
(Vanadium--Isotopes) (Fluorescence)

KONSTANTINOV, A.A.; PEREPEL'KIN, V.V.; KOCHIN, A.Ye.

International comparison of the specific activity of  $P^{32}$ ,  $Co^{60}$ ,  
 $Tl^{204}$  solutions and the activity of "solid"  $Co^{60}$  sources. Atom.  
energ. 19 no.1865-67 J1 '65. (MIRA 18:7)

**PEREPKINA, L.P., inzhener.**

**Methods of testing briquettes as worked out by All-Union Scientific  
Research Coal Institute. Nauch.rab. VUGI no.9:135-146 '53. (MLRA 7:6)**

**1. Byuro standartizatsii. (Briquettes (Fuel)) (Coal--Testing)**

8y25z

S/048/61/025/001/018/031  
B029/B060

24.6720

AUTHORS:

Konstantinov, A. A. and Perepelkin, V. V.

TITLE:

Determination of the ratio of probabilities of the capture of L and K shells in the decay of  $Cr^{51}$ ,  $Zn^{65}$ , and  $Ge^{71}$

PERIODICAL:

Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, v. 25, no. 1, 1961, 106-108

TEXT: The authors determined the ratios  $\lambda_L/\lambda_K$  for the decay of  $Cr^{51}$ ,  $Zn^{65}$ , and  $Ge^{71}$  by means of a  $4\pi$  proportional counter using coincidences between the KX quanta and the Auger L electrons (transitions L-MM, etc.). This was done in view of the fact that it is necessary to know the ratio  $\lambda_L/\lambda_K$  when determining the radioactivity of electron capture preparations, and also in view of the determination of the decay scheme. If the  $4\pi$  counter is filled with a methane mixture (20 mm Hg) and xenon (15 mm Hg), the first half of the  $4\pi$  counter or the first  $2\pi$  counter (toward which the source is oriented) will record the Auger L electrons (first peak) and the

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K Auger electrons together with the KX quanta absorbed in the xenon of the  $2\pi$  counter (second peak). Between these two peaks, there is a certain number of Auger K electrons which lose part of their energy during reflection from the base. The second half of the  $4\pi$  counter records the KX quanta only (Fig. 2). The number  $N^{XL}$  of coincidences between the Auger L electrons of the first half of counter and the KX quanta of the second half as well as the number  $N^X$  of KX quanta and also the number  $N^L$  of Auger L electrons are expressed by the following formulas:

$$N^{XL} = \epsilon^X \epsilon^L k_1 N_0^X k_2 ; N^X = \epsilon^X N_0^X ; N^L = \epsilon^L k_1 N_1^L , \text{ where the coefficient } \epsilon^X$$

takes account of the efficiency of recording of the KX quanta of the second half of counter and the corresponding solid angle. The coefficient  $k_1$  is dependent upon the size of the slit of the single-channel differential pulse height analyzer, by which the peak of Auger L electrons is cut off from the total Auger spectrum.  $N_0^X$  is the total number of KX quanta emitted by the source into the solid angle  $4\pi$ . The coefficient  $k_2$  takes account of the fact that not all of the KX quanta yield coincidences with the Auger L electrons.  $N_1^L$  is the total number of

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the Auger L electrons emitted by the source, with the exception of such as yield coincidences with the Auger K electrons and KX quanta recorded by the first half of the  $4\pi$  counter. The relation

$N_1^L = N^L k_3 N^X k_2 / N^{XL}$  follows from the above mentioned expressions for

$N^{XL}$ ,  $N^X$ ,  $N^L$ , with the coefficient  $k_3$  taking account of the contribution of Auger K electrons to the peak of Auger L electrons.  $N_1^L$  may be

represented also as  $N_1^L = n_0^L + k_2 N_1^X + k_4 N_1^K$ , where  $n_0^L$  is the total number X

of the Auger L electrons emitted as a result of the L capture;  $k_2 N_1^X$  is the number of the Auger L electrons accompanying the quanta which are not recorded by the first half of the  $4\pi$  counter;  $k_4 N_1^K$  is the number of the Auger L electrons accompanying the Auger K electrons which are not recorded by the  $4\pi$  counter. The coefficient  $k_4$  indicates the ratio in which the Auger L electrons accompany the Auger K electrons.

$N_1^X$  and  $N_1^K$  should be as small as possible to allow the most accurate

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X

Determination of the ratio of...

determination of  $n_0^L$ . This is obtained for  $N_1^X$  by the largest possible efficiency of KX quanta counting, and for  $N_1^K$  by applying radioactive isotopes onto the celluloid film with a bismuth layer.

$\lambda_L/\lambda_K = n_0^L (N_0^X + N_0^K)$ . By the method described, one obtains for the ratio of probabilities  $\lambda_L/\lambda_K$  for  $Cr^{51}$ ,  $Zn^{65}$ , and  $Ge^{71}$ :

Radioactive isotopes	Our results	Other results	Calculated in Ref. 1	Calculated in Ref. 2
$Cr^{51}$	$0.10 \pm 0.02$	-	0.088	0.094
$Zn^{65}$	$0.13 \pm 0.02$	-	0.096 *	0.099 *
$Ge^{71}$	$0.13 \pm 0.02$	0.25 [7]; 0.128 [8]; 0.09 [9]	0.106	0.11

The article under consideration is the reproduction of a lecture delivered at the 10th All-Union Conference on Nuclear Spectroscopy, which took place

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S/048/61/025/001/018/031  
B029/B060

Determination of the ratio of...

in Moscow from January 19 to 27, 1960. There are 3 figures, 1 table, and 10 references: 3 Soviet-bloc and 7 non-Soviet-bloc.

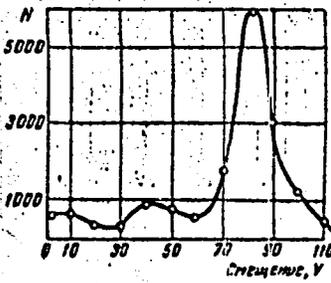


Fig. 2

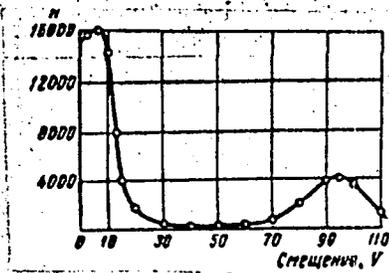


Fig. 3

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S/048/60/024/012/008/011  
B019/B056

AUTHORS: Konstantinov, A. A., Sazonova, T. Ye., and Perepelkin, V. V

TITLE: Determination of the Fluorescence Coefficients of the L-X Radiation of  $Ga^{71}$ ,  $Cu^{65}$ , and  $V^{51}$

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1960, Vol. 24, No. 12, pp. 1480-1483

TEXT: The present paper was read at the 10th All-Union Conference on Nuclear Spectroscopy, which was held in Moscow from January 19 to January 27, 1960. The fluorescence coefficient of the L-X radiation or the ratio between the L-X quanta and the number of vacant places in the L-shell was experimentally determined for  $Z = 36$  and  $Z > 40$ . For a number of important physical questions, a knowledge of the fluorescence coefficient of the L-X radiation for  $Z < 36$  is necessary. For measuring the quanta, the authors used a  $4\pi$ -proportional counter and determined the vacancies of the L-shell from the activity of electron-capturing preparations. For the purpose of determining the total number of L-X quanta, which are emitted by the source under the solid angle  $2\pi$ , it was necessary to determine the

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S/048/60/024/0.2/008/011  
B019/B056

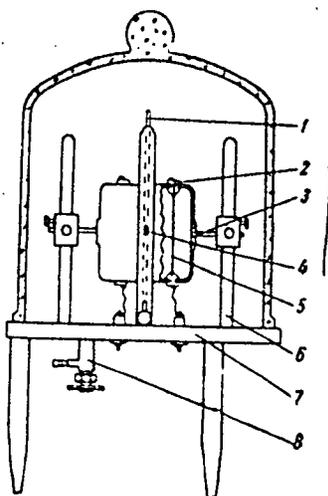
Determination of the Fluorescence Coefficients of the L-X Radiation of Ga<sup>71</sup>, Cu<sup>65</sup>, and V<sup>51</sup> absorption of these quanta in a celluloid film. The 4π-counter is schematically shown in Fig. 1. The fluorescence coefficients determined herewith are given in Table 1. There are 5 figures, 1 table, and 8 references: 1 Soviet, 4 US, 1 French, and 1 Canadian.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii im. D. I. Mendeleeva (All-Union Scientific Research Institute of Metrology imeni D. I. Mendeleev)

- Text to Fig. 1: 1) Al foil frame. 2) Polystyrene introduction. 3) Counter body. 4) Source. 5) Counter thread. 6) Support. 7) Copper ground plate. 8) Faucet.
- Text to Table 1: 1) Isotope. 2) Number of L-X quanta passing through the first celluloid film. 3) Number of L-X quanta passing through the second celluloid film. 4) Total number of L-X quanta emitted through the angle 4π. 5) Activity of the source. 6) Number of vacancies of the L-shell. 7) ω<sub>L</sub> in %.

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B019/B056



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Коэффициенты флуоресценции L-X-лучей Ga<sup>71</sup>, Cu<sup>65</sup> и V<sup>51</sup>

1	2	3	4	5	6	7
Изотоп	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	Активность источника, Cu	Число вакансий в L-оболочке	$\omega_L$ , %
•Ga <sup>71</sup>	26 500	18 100	75 800	4 · 10 <sup>-8</sup>	112 · 10 <sup>3</sup>	0,68
••Ga <sup>71</sup>	16 400	11 800	40 700	2,4 · 10 <sup>-8</sup>	68 · 10 <sup>3</sup>	0,60
Cu <sup>65</sup>	72 000	28 700	227 000	1,4 · 10 <sup>-8</sup>	10 · 10 <sup>3</sup>	0,56
•V <sup>51</sup>	5 950	3 000	20 200	2,5 · 10 <sup>-8</sup>	93 · 10 <sup>3</sup>	0,22
••V <sup>51</sup>	9 400	—	33 500	3,6 · 10 <sup>-8</sup>	135 · 10 <sup>3</sup>	0,25

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PEREPELKIN, Ye.G.

Results of the treatment of coronary insufficiency with  
various anticoagulants. Zdravookhr. Kazakh. 23 no.1:40-42'63  
(MIRA 17:2)

1. Iz kafedry fakul'tetskoy terapii ( zav. - dotsent M.A.  
Dudchenko) Aktyubinskogo meditsinskogo instituta i kafedry  
fakul'tetskoy terapii pediatricheskogo fakul'teta (zav. - prof.  
Ye.Yu. Makhlin) Saratovskogo meditsinskogo instituta.

49-6-7/21

PEREPELKINA, A V  
AUTHOR: Perepelkina, A. V.

TITLE: Certain results of investigations of the turbulent temperature pulsations and of the vertical component of the wind speed. (Nekotorye rezul'taty issledovaniya turbulentnykh pul'satsiy temperatury i vertikal'noy sostavlyayushchey skorosti vetra).

PERIODICAL: "Izvestiya Akademii Nauk, Seriya Geofizicheskaya" (Bulletin of the Ac.Sc., Geophysics Series), 1957, No.6, pp. 765-778 (U.S.S.R.)

ABSTRACT: The major part of the investigation of this problem is based on the semi-empirical turbulence theory and application of this theory to the atmosphere; the specific nature of the atmospheric turbulence is determined by the temperature non-uniformity of the atmosphere. Establishment of the quantitative relations between the temperature pulsations and the wind speed is important for studying various problems relating to the theory of meteorological instruments, atmospheric acoustics and optics and radio physics, since these pulsations influence the readings of meteorological instruments, propagation of electromagnetic waves and other phenomena taking place in the atmosphere. In spite of this, very little literary data is available on this subject, particularly as regards synchronous recording of the

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49-6-7/21

Certain results of investigations of the turbulent temperature pulsations and of the vertical component of the wind speed. (Cont.)

temperature pulsations and the vertical component of the wind speed which would permit direct determination of the turbulent heat flow. One of the few papers on this subject is that of Monin, A.S. (1) where data are given on the turbulent heat flow measured directly by recording the temperature pulsations and the vertical wind component. The here described experiments were carried out in the summer of 1953 by a field team of the Geophysics Institute Ac.Sc. (Geofizicheskiy Institut AN SSSR) which recorded synchronously the pulsations of the temperature  $T'$  and the vertical wind component  $w'$ . Simultaneously gradient observations were made of the wind speed and the temperature in a layer of a height up to 15 m. For recording the pulsations apparatus was used which was built by the Institute and consisted of a thermomanometer and a micro-thermometer with pick-ups made of 20  $\mu$  dia platinum wire, which were described in detail in an earlier paper by Krechmer, S. I. (2); the inertia of the entire set-up was about 0.015 sec enabling recording of the wind speed pulsations with an accuracy of 1 cm/sec, of the inclination angle of the wind speed vector with an accuracy

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49-6-7/21

Certain results of investigations of the turbulent temperature pulsations and of the vertical component of the wind speed. (Cont.)

of  $0.5^{\circ}$  and of the temperature with an accuracy of 0.01 C. The author gives data on the fundamental statistical characteristics of the temperature pulsations and the vertical wind component, the time function of the temperature pulsations and the vertical wind component and investigates the influence of smoothing out of the primary data (by using measuring apparatus with greater inertia) on the value of the correlation moment of the temperature pulsations and of the vertical wind component. A relation was established between the statistical characteristics of the temperature pulsations and the characteristics of the average meteorological regime at the near ground layer (up to 15 m) of the atmosphere. It is shown that the empirical time-temperature function can be approximated with adequate accuracy by a space structural function analogous to the "2/3 power law" but the power index is somewhat below 2/3 and decreases with increasing time. Investigation of the time variation of the pulsations of the vertical wind component leads to the conclusion that there is a statistical stability of these pulsations. On smoothing the pulsations of the temperature and of the vertical wind

Card 3/4

49-6-7/21

Certain results of investigations of the turbulent temperature pulsations and of the vertical component of the wind speed. (Cont.)

component (increasing of the inertia of the apparatus) during periods of 1.6 sec, the calculated values of the turbulent heat flow decrease to about half the value measured with low inertia apparatus.  
There are 7 tables, 12 figures and 13 references, 10 of which are Slavic.

SUBMITTED: December 30, 1956.

ASSOCIATION: Institute of Physics of the Atmosphere, Ac.Sc. U.S.S.R.  
(Akademiya Nauk SSSR Institut Fiziki Atmosfery).

AVAILABLE: Library of Congress

Card 4/4

PEREPELKINA, A. V. Cand Phys-Math Sci -- (diss) "Statistical characteristics of the turbulent exchange in the earth-surface layer of the atmosphere." Mos, 1959. 10 pp (Acad Sci USSR. Inst of Physics of the Atmosphere). 100 copies (KL, 47-59, 113)

SOV/49-59-7-11/22

AUTHOR: Perepelkina, A. V.

TITLE: On the Determination of a Turbulent Stream of Heat

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya, 1959, Nr 7, pp 1026-1035 (USSR)

ABSTRACT: An apparatus was developed by the Institute of Physics of the Atmosphere, Academy of Sciences, USSR, by means of which a direct measurement of a turbulent stream of heat can be obtained. It is based on the temperature  $T'$  in relation to the vertical wind velocity  $w'$  as expressed by the formula (1). An acoustic micro-anemometer and pulsating temperature gauge were employed (Fig 1), which permitted the determination of the mean values of  $w'$  and  $T'$  during 10 minutes at the height 12 m. The amount of the turbulent heat stream  $q_p$ , as measured by the apparatus, and its theoretical value,  $q_g$  (Eqs (3) and (4)) in relation to the empirical Richardson number  $B$  (Eq (5))

Card 1/3

SOV/49-59-7-11/22

## On the Determination of a Turbulent Stream of Heat

and to its theoretical value  $R_i$  (Eqs (6) and (7)) as obtained experimentally, are illustrated in Table 1. The relationship of  $q_g$  and  $q_p$  is shown in Fig 3 (1 - 1 m high, 2 - 4 m high). The analysis of the data shows that the exact determination of the turbulent heat stream depends on the stratification of the atmosphere, i.e. on the Richardson number as expressed by Eq (11) and shown in Fig 5, for a height of 1 m in an unstable air. It is convenient to represent the Richardson number as the function  $F(R_i)$  (Eqs (12)-(14)) or as  $\varphi(R_i)$  (Eqs (15)-(16)) (Fig 6) in order to determine the constant  $F_{\infty} = 0.8$ .

Card 2/3

SOV/49-59-7-11/22

On the Determination of a Turbulent Stream of Heat

This constant agrees with that found by Priestley (Ref 10) for the same atmospheric conditions. There are 6 figures, 1 table and 10 references, of which 7 are Soviet and 3 are English.

ASSOCIATION: Akademiya nauk SSSR, Institut fiziki atmosfery  
(Academy of Sciences, USSR, Institute of Physics of the  
Atmosphere)

SUBMITTED: March 3, 1959.

Card 3/3

PEREPELKINA, A.V.

Turbulence characteristics of the lower atmosphere under conditions  
of free convection. Izv. AN SSSR. Ser. geofiz. no.2:271-  
274 F '62. (MIRA 15:2)

1. Institut fiziki atmosfery AN SSSR.  
(Atmospheric turbulence)

DZHEMILEV, Z.A.; PEREPLEINA, L.D.

Cytogenetic radiosensitivity of various phases of cell cycle in the embryonic tissue of mice. Radiobiologia 4 no.6:822-827 '64. (MIRA 18:7)

1. Institut eksperimental'noy patologii i terapii AMN SSSR, Sukhumi.

BELYAYEV, V.P.; KALINACHENKO, V.R.; KUZ'KIN, N.M.; YAKIMENKO, L.M.;  
ARSHAVIN, V.M.; RUDENCHIK, G.I.; SHEVCH, I.G.;  
SHKLOVER, L.P.; BURAVLEV, Y.M.; PEROPALKINA, M.A.;  
USTINOVA, V.I.; NEUMINA, G.P.; ENGEL'SHT, V.S.; TRAPITSYN, N.F.;  
BULANOV, Y.A.

Exchange of experience. Zav.lab. 28 no.6:685-687 '62.

(MIRA 15:5)

1. Khimicheskiy zavod imeni Veykova (for Shklover).
  2. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov (for Buravlev, Peropalkina, Ustinova, Neuymina).
  3. Kirgizskiy gosudarstvennyy universitet (for Engel'sht, Trapitsyn, Bulanov).
- (Spectrum analysis)

PEREPELKIN, V.S.; LITVINOVA, T.A.

Fluorescent bacteriological diagnosis of minor forms of tuberculosis of the lungs. Lab. delo 10 no.5:276 '64. (MIRA 17:5)

KONSTANTINOV, A.A.; PEREFELKIN, V.V.; SAZONOVA, T.Ye.

Determining the yield of K-fluorescence and the K $\alpha$ -ray self-  
absorption coefficient for Mg and Al. Izv. AN SSSR. Ser. fiz. 28  
no.1:107-114 Ja '64. (MIRA 17:1)

LOBOV, I.M., inzh.; SIDKOVA, R.M., inzh.; TOROPOV, Ye.V., inzh.;  
FEREPELKINA, L.I., tehnik

Better heat conditions for blast furnace air preheater  
operations. Stal' 22 no.8:695-696 Ag '62. (MIRA 15:7)

1. Magnitogorskiy metallurgicheskiy kombinat.  
(Air preheaters)

S/137/61/000/012/142/149  
A005/A101

**AUTHORS:** Shayevich, A. B., Perepelkina, M. A., Korovina, A. G.

**TITLE:** Spectrographical determination of copper and silicon in ferro-molybdenum

**PERIODICAL:** Referativnyy zhurnal, Metallurgiya, no. 12, 1961, 6, abstract 12K32  
("Byul. nauchno-tekhn. inform. Ural'skiy n.-i. in-t chern. metallov"  
1960, no. 8, 111-112)

**TEXT:** The authors developed two variants of determining Cu and Si in ferro-molybdenum (I). By variant 1, powder of standard specimen I was mixed with pure  $Fe_2O_3$  and graphite in ratios of 1 : 2 : 3; 1 : 3 : 4, 1 : 4 : 5 and 1 : 5 : 6. The samples to be analyzed are crushed until 0.071 mm size and diluted in a 1 : 4 : 5 ratio. Standard graphite electrodes are filled with the mixtures obtained. To perform the analysis, an HCP-28(ISP-28) quartz spectrograph is used with 0,015 mm slit width. The analysis is made by the three standard method. In variant 2, a set of preliminarily analyzed standard samples is employed. The analysis conditions are analogous to variant 1, only 40 second preliminary roasting is performed additionally and the following lines are used

Card 1/2

S/137/61/000/012/142/149  
A006/A101

Specyrographical determination ...

for photometry: Cu 2824.37 - Mo 2829.94 Å and Si 2528.51 - Mo 2578.77 Å,  
(without attenuator). The mean square error of the result is about 4 - 5%  
(relatively) as an average of 3 determinations...

L. Vorob'yeva

[Abstracter's note: Complete translation]

Card 2/2

BURAVLEV, Yu.M.; PEREPELKINA, M.A.; USOV, V.N.; USTINOVA, V.I.

Use of a rectified condensed spark for spectral analysis of alloys.  
Zav.lab. 29 no.8:1005-1006 '63. (MIRA 16:9)

1. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov.  
(Alloys--Spectra) (Electric spark)

PEREPELKINA, M A.

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PHASE I BOOK EXPLOITATION

SOV/6181

Ural'skoye soveshchaniye po spektroskopii. 3d, Sverdlovsk, 1960.  
Materialy (Materials of the Third Ural Conference on Spectros-  
copy) Sverdlovsk, Metallurgizdat, 1962. 197 p. Errata slip  
inserted. 3000 copies printed.

Sponsoring Agencies: Institut fiziki metallov Akademii nauk SSSR.  
Komissiya po spektroskopii; and Ural'skiy dom tekhniki VSNTO.

Eds. (Title page): G. P. Skornyakov, A. B. Shayevich, and S. G.  
Bogomolov; Ed.: Gennadiy Pavlovich Skornyakov; Ed. of Publish-  
ing House: M. L. Kryzhova; Tech. Ed.: N. T. Mal'kova.

PURPOSE: The book, a collection of articles, is intended for staff  
members of spectral analysis laboratories in industry and scien-  
tific research organizations, as well as for students of related  
disciplines and for technologists utilizing analytical results.

Card 1/15

110

Materials of the Third Ural Conference (Cont.)

807/6181

**COVERAGE:** The collection presents theoretical and practical problems of the application of atomic and molecular spectral analysis in controlling the chemical composition of various materials in ferrous and nonferrous metallurgy, geology, chemical industry, and medicine. The authors express their thanks to G. V. Ghentsova for help in preparing the materials for the press. References follow the individual articles.

**TABLE OF CONTENTS:**

Foreword

3

**PART I**

Sheratkov, Yu. A., and L. P. Maksimovskiy. Investigation of the dependence of the total intensity of spectral lines on the concentration of elements in an arc-discharge plasma

4

Card 2/15

<b>Materials of the Third Ural Conference (Cont.)</b>	<b>SOV/6181</b>
<b>Buravlev, Yu. M., M. A. Perepelkina, G. P. Neuymina, and G. I. Maramygina. Investigation of the effect of structure on the results of spectral analyses of cast iron</b>	<b>62</b>
<b>Bobrov, V. A., Ye. N. Chernoguz, and T. N. Yaroslavova. Application of "fractional exposure" method for spectral analysis of alloy cast irons and aluminum alloys</b>	<b>66</b>
<b>Matyugina, I. V. Spectral analysis of silicon brasses by the calculated graph method</b>	<b>67</b>
<b>Obukhova, Ye. S., and N. K. Rudnevskiy. Application of electrotransfer in plotting calibration graphs according to a single standard in the spectral analysis of alloys</b>	<b>68</b>
<b>Taganov, K. I. Spectroscopic investigation of features of contact-electrospark erosion of metals and alloys</b>	<b>70</b>

Card 6/15

7(6), 18 (3)

AUTHORS:

Shayevich, A. B., Kalinskiy, Ya. M.,  
Chabanenko, N. I., Perepelkina, M. A.

SO 7, 72-14 11-12 4,

TITLE:

Determination of the Admixtures in Ferroniobium Using  
Spectral Analysis (Opredeleniye primesey v ferroniobii  
metodom spektral'nogo analiza)

PERIODICAL:

Zavodskaya Laboratoriya, 1958, Vol 24, Nr 12,  
pp 1478 - 1479 (USSR)

ABSTRACT:

Niobium is mainly produced and used in the form of iron alloys. The spectral analysis of these alloys is rather complicated and the preparation of the standard sample is tedious. The analysis is simplest when carried out using powdered samples and standards, which can be obtained by successive thinning of the basic sample (Ref 1). A method for spectral analysis of ferroniobium (composition according to MPTU 2735-51 (Table 1)) for Al, Ti, Zr, and Cr, as well as Sn, Cu, and Mn is described. E.D. Krinfel'd and V.V. Bugrin participated in the experiments. AEG-1 generator

Card 1/2

Determination of the Admixtures in Ferroniobium Using Spectral Analysis SOV/32-24-12-22/45

with electric arc, current strength of 4 amperes, and a distance between electrodes of 3 mm was used. The spectra were taken on a ISP-28 spectrograph. Error from non-uniform grinding of the sample was avoided by grinding the entire sample to 200 mesh (Figure) The total error for the analysis carried out under the given conditions is  $\pm 4\%$ . From a comparison with other analytical methods it is apparent that the spectral method can decrease the analytical error by two to three times. There are 1 figure, 1 table, and 2 Soviet references.

ASSOCIATION: Ural'skiy institut chernykh metallov i Klyuchevskiy zavod ferrosplavov (Ural Institute of Ferrous Metals and Klyuchevskiy Plant of Ferrous Metals)

Card 2/2

SHAYEVICH, A.B.; KALINSKIY, Ya.M.; CHARANENKO, N.I.; PEREPELKINA, M.A.

Determining impurities in ferroniobium by spectral analysis.  
Zav. lab. 24 no.12:1478-1479 '58. (MIRA 12:1)

1.Ural'skiy institut chernykh metallov i Klyuchevskiy zavod  
ferrosplavov.  
(Niobium-iron alloys--Analysis) (Spectrum analysis)

ELKINE, M. G.

3666. Spectrographic analysis of silicon-manganese  
 A. H. Shcherbak and St. A. Petrovskaya (Lab. of  
 Standard Samples, Ural Inst. of Ferrous Metals),  
 Zashch. Lab., 1937, 23 (6), 560-563. The powdered  
 sample mixed with graphite and CuO (1 + 10 + 20)  
 is excited in the arc discharge on a moving disc  
 electrode and the lines Si 2632.28, Mn 2535.08 and  
 Fe 2535.60 Å are measured. Calibration graphs are  
 constructed with the co-ordinates

4214

$$\left[ \Delta S_{\lambda_1 - \lambda_2} : \log \frac{C_{\lambda_1}}{C_{\lambda_2}} \right] \text{ and } \left[ \Delta S_{\lambda_1 - \lambda_2} : \log \frac{C_{\lambda_1}}{C_{\lambda_2}} \right]$$

and the contents of Si ( $\approx 10\%$ ) and Mn ( $\approx 70\%$ )  
 can be determined with an error of 1% of the  
 sample wt. G. S. SMITH

PM ja  
amb

PERPELKINA, M.D.; GUTMAN, B.M.

Increasing the operative capacity of carding machines in wool spinning. Tekst. prom. 22 no.7:33-35 JI '62.  
(MIRA 17:1)

1. Nachal'nik laboratorii netkanykh materialov Leningradskogo nauchno-issledovatel'skogo instituta tekstil'noy promyshlennosti (for Perepelkina). 2. Starshiy inzh. tekhnicheskogo otdela Kombinata tonkikh i tekhnicheskikh sukon imeni Tel'mana (for Gutman).

PEREPELKINA, M.D.; GUBINA, R.S.; KRZHIZHANOVSKIY, K.I.

Assortment of nonwoven fabrics. Tekst. prom. 23 no.9:15-19 S '63.  
(MIRA 16:10)

1. Nachal'nik laboratorii netkanykh materialov Leningradskogo nauchno-issledovatel'skogo instituta tekstil'noy promyshlennosti (for Perepelkina). 2. Rukovoditel' gruppy laboratorii netkanykh materialov Leningradskogo nauchno-issledovatel'skogo instituta tekstil'noy promyshlennosti (for Gubina). 3. Glavnyy inzh. fabriki imeni Nogina (for Krzhizhanovskiy).  
(Nonwoven fabrics)

BRASLAVSKIY, A.N.; PEREPELKINA, M.D.; SEDINA, Ye.M.; YUDEL'ZON, Kh.A.;  
NIKIFOROVA, L.G.; ZAYONCHKOVSKIY, A.D.

Leather substitutes in the building of small craft. Sudostroenie 30  
Sudostroenie 30 no.8:29-30 Ag '64. (MIRA 18:7)

SMIRNOV, V.Ya.; PERPELKINA, M.S.; ANTONOV, M.M.; TKHILADZE, G.B.

Mobile all-purpose machine for parquet floor layers. Rats. 1 izobr.  
predl.v stroi. no.123:13-17 '55. (MIRA 9:7)  
(Parquetry)

1222 12 1954  
CHERKAYEV, V.G.; BAG, A.A.; PERSPELKINA, S.A.

Preparation of hydroxycitronellal from synthetic citronellal.  
Trudy VNIISNDV no.2:35-42 '54. (MLRA 10:7)  
(Citronellal)

NIKOLAYEV, N.I.; BARAK, V.I.; KATS, Ya.G.; KIZEL'VATER, D.S.; NIKITINA,  
M.I.; PAVLINOV, V.N.; PAISOVA, E.K.; PEREP'ELKINA, S.M.; RYZHOVA,  
A.A.; SAPOZHNIKOV, D.G.

"Principles of structural geology and geological mapping" by  
A.E.Mikhailov. Reviewed by N.I.Nikolaev and others. Izv.vys.  
ucheb.zav.; geol.i razv. 2 no.11:125-127 N '59.  
(MIRA 13:6)

1. Moskovskiy geologorazvedochnyy institut im. S.Ordzhonikidze.  
(Geology, Structural--Maps) (Mikhailov, A.E.)

BAG, A.A.; CHERKAYEV, V.G.; PEREPKINA, S.A.

Selective hydrogenation of citral. Trudy VNIISMDV no.4:61-63  
'58. (MIRA 12:5)

(Citral) (Hydrogenation)

KEBERLE, S.I.; PEREPKINA, V.V.

Siphon spillways for irrigation flumes. Vop. gidr. no. 12:20-21  
'63. (MIRA 17:5)

PEREPELKINA, Ye. D.

PEREPELKINA, Ye. D. -- "Investigation of Space Movements of Variable Stars of the Type RR Lyrae." Sub 17 Dec 52, Moscow Order of Lenin State University imeni M. V. Lomonosov. (Dissertation for the Degree of Candidate in Physicomathematical Sciences).

SO: Techernaya Moskva January-December 1952

PEREPELO, I.

Molten metal flow. WFO 2 no.9:30-33 S '60.  
(Temir-Tau--Steelworks)  
(Temir-Tau--Iron industry)

(MIRA 13:9)

VEREKENING, H. H.

TABLE I BOOK EXCERPTS

507/1959

Metallurgische Forschungsinstitut für Spektroskopie, Garmisch, 1958 & 1959. (Metallurgische Forschungsinstitut, Garmisch, 1958 & 1959) Spectroscopy, Garmisch, 1958 & 1959. 200 p. Extra slip inserted. 1,000 copies placed.

Sponsoring Agency: Metallurgische Forschungsinstitut, Garmisch, 1958 & 1959. (Metallurgische Forschungsinstitut, Garmisch, 1958 & 1959) Spectroscopy, Garmisch, 1958 & 1959. 200 p. Extra slip inserted.

Dr. H. H. Verwey, Metallurgische Forschungsinstitut, Garmisch, 1958 & 1959.

NOTE: This collection of articles is intended for general analytical use only. It is not intended for use in the metallurgical industry, educational and professional organizations, and similar scientific research organizations.

CONTENTS: The following articles are included in this collection: 1. Spectral analysis of alloys, ores, pigments, refractories and other materials used in industry. The material of the conference includes articles on the analysis of gases (including the determination of gases), ferrous alloys, non-ferrous alloys and light metals and alloys, pure noble metals, etc. The present volume is intended to disseminate the latest experience in working with spectral laboratories, and to report on the results of scientific research. The author thanks H. I. Ostlin and Dr. H. K. Sawyer. Almost all of the articles are accompanied by references.

1. Ostlin, H. I. Investigation of the Interaction of the Components of an Alloy on the Degree of Ionization of Alloys

2. Sawyer, H. K. Some Distribution Characteristics of Particles in an Alloy

3. Ostlin, H. I., Sawyer, H. K., and V. P. Shchegolev. Double Resonance Spectroscopy of an Alloy

4. Sawyer, H. K., Sawyer, H. K., and V. P. Shchegolev. Double Resonance Spectroscopy of an Alloy

5. Sawyer, H. K., Sawyer, H. K., and V. P. Shchegolev. Double Resonance Spectroscopy of an Alloy

6. Sawyer, H. K., Sawyer, H. K., and V. P. Shchegolev. Double Resonance Spectroscopy of an Alloy

7. Sawyer, H. K., Sawyer, H. K., and V. P. Shchegolev. Double Resonance Spectroscopy of an Alloy

8. Sawyer, H. K., Sawyer, H. K., and V. P. Shchegolev. Double Resonance Spectroscopy of an Alloy

9. Sawyer, H. K., Sawyer, H. K., and V. P. Shchegolev. Double Resonance Spectroscopy of an Alloy

10. Sawyer, H. K., Sawyer, H. K., and V. P. Shchegolev. Double Resonance Spectroscopy of an Alloy

11. Sawyer, H. K., Sawyer, H. K., and V. P. Shchegolev. Double Resonance Spectroscopy of an Alloy

12. Sawyer, H. K., Sawyer, H. K., and V. P. Shchegolev. Double Resonance Spectroscopy of an Alloy

13. Sawyer, H. K., Sawyer, H. K., and V. P. Shchegolev. Double Resonance Spectroscopy of an Alloy

14. Sawyer, H. K., Sawyer, H. K., and V. P. Shchegolev. Double Resonance Spectroscopy of an Alloy

15. Sawyer, H. K., Sawyer, H. K., and V. P. Shchegolev. Double Resonance Spectroscopy of an Alloy

16. Sawyer, H. K., Sawyer, H. K., and V. P. Shchegolev. Double Resonance Spectroscopy of an Alloy

17. Sawyer, H. K., Sawyer, H. K., and V. P. Shchegolev. Double Resonance Spectroscopy of an Alloy

18. Sawyer, H. K., Sawyer, H. K., and V. P. Shchegolev. Double Resonance Spectroscopy of an Alloy

19. Sawyer, H. K., Sawyer, H. K., and V. P. Shchegolev. Double Resonance Spectroscopy of an Alloy

20. Sawyer, H. K., Sawyer, H. K., and V. P. Shchegolev. Double Resonance Spectroscopy of an Alloy

PERPELKINA, M.D., nauchnyy sotrudnik; GUBINA, R.S., nauchnyy sotrudnik;  
Prinimali uchastiye: SHULESHKO, I.S., kand.tekhn.nauk;  
KRZHIZHANOVSKIY, K.I.; DOROGOY, Ye.V.; LITICHEVSKIY, M.V.

Effect of certain factors on the characteristics of nonwoven  
fabrics manufactured by the knit-and-stitch method. Tekst.  
prom. 22 no.12:48-52 D '62. (MIRA 16:1)

1. Nauchno-issledovatel'skiy institut tekstil'noy promyshlennosti Leningradskogo soveta narodnogo khozyaystva (for Perepelkina, Gubina). 2. Nachal'nik pryadil'nogo sektora spetsial'nogo konstruktorskogo byuro tekstil'noy promyshlennosti Leningradskogo soveta narodnogo khozyaystva (for Shuleshko). 3. Glavnyy inzh. tekstil'noy fabriki im. Nogina (for Krzhizhanovskiy). 4. Starshiy inzh. spetsial'nogo konstruktorskogo byuro trikotazhnykh mashin Leningradskogo soveta narodnogo khozyaystva (for Litichevskiy).

(Nonwoven fabrics)

PEREPELKIN, K.Ye., kand. tekhn. nauk; PEREPELKINA, M.D.

Synthetic fibers made from polyvinyl alcohol. Tekst. prom. 23  
no.6:20-23 Je '63. (MIRA 16:7)

1. Nachal'nik laboratorii sinteticheskogo volokna vinol  
Leningradskogo filiala Vsesoyuznogo nauchno-issledovatel'skogo  
instituta iskusstvennogo volokna (for Perepelkin). 2. Nachal'-  
nik laboratorii netkanykh materialov Leningradskogo nauchno-  
issledovatel'skogo instituta tekstil'noy promyshlennosti (for  
Perepelkina).

(Textile fibers, Synthetic)  
(Vinyl alcohol polymers)

PEREFLETCHIK, I.

Display of samples and merchandise. Sov.torg.34 no.3:33-37 Mr '61.  
(MIRA 14:2)

1. Nachal'nik otдела organizatsii trgovli moskovskogo torga "Gastronom."  
(Moscow--Grocery trade) (Moscow--Display of merchandise)

BUNIMOVICH, Lev Danilovich; KUDUKIS, Valeriya Iosifovna; ERENBURG, Grigoriy Borisovich. Prinsipali uchastiye: PEREPLETCHIKOV, B.I., inzh.; KHEYSTVER, Ye.M., inzh.; MOROZOV, N.A., red.; LEBEDEVA, I.D., red.izd-va; GRECHISHCHEVA, V.I., tekhn. red.

[Technology of assembly-line production of elements made by joiners and carpenters] Tekhnologiya massovogo proizvodstva stolarnno-stroitel'nykh izdelii. Moskva, Goslesbunizdat, 1963. 257 p. (MIRA 16:8)

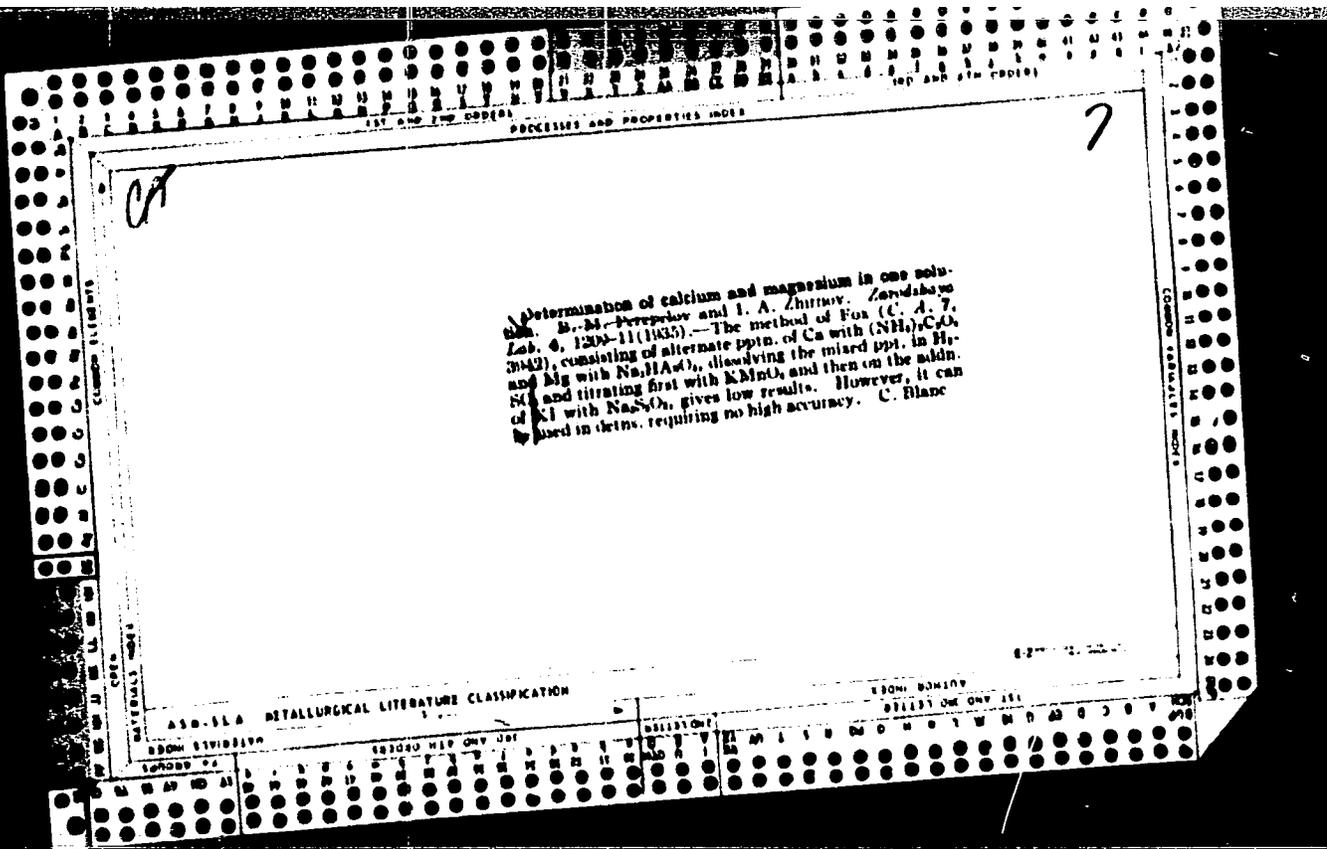
1. Gosudarstvennyy institut proyektirovaniya predpriyatiy derevoobrabatывayushchey promyshlennosti (for Perepletchikov, Kheystver).

(Building--Details)

PEREPELOV

"Determination of the losses in a branched network by the method of equivalent resistances." by Sinkov & Perepelov  
Elektrichestvo, 1953, No. 7,

SO: ELEKTROTECHNICKY OBZOR (Electrical Engineering Review, Czechoslovakia)  
Vol. 43, No. 2, Feb., 1954



PERETILOV, P.V.

*Electricity Chart 3*

621.315.09 : 621.3.012.8 : 621.3.017

1414. Analysis of the accuracy of the determination of the losses in a branched network by the method of the equivalent resistance. V. M. SUDKOV AND P. V. PERETILOV. *Elektricheskoye*, 1953, No. 7, 21.

Electrical Engineering Abstr.  
Vol. 57 No. 676  
Apr. 1954  
Electrical Engineering

The method of equivalent resistance consists in determining the equivalent resistance of the system considered under certain given conditions, for example, that the power losses remain constant for a certain instant, or for given initial conditions. In 3-phase systems the equivalent resistance is found for a "reduced phase" and is based on the r.m.s. value of the current of the input section of the system. Although the equivalent resistance varies with the load, it is sufficient for practical calculations of the power losses based on average r.m.s. values of the current over a month or another period chosen. It is shown that the errors are of the order of a few per cent. Error curves in relation to load variations, ratios of the section resistances ("relative resistances"), etc., enable the practicability of the method to be established for any given case. The use of the ratios of r.m.s. and arithmetical mean values of the currents determined for given load diagrams facilitates the application of the method. B. F. KRAUS

PEREPELOV, L.

Copper mines in Gay. NTO 3 no. 5:26-29 My '61. (MIRA 14:5)  
(Gay region (Orenburg Province)—Copper mines and mining)

PEREPKLOV, Leonid Antonovich; KOSTIN, V., red.; TROYANOVSKAYA, N.,  
tekhn.red.

[Industrial giant] Bogatyr' industrii. Moskva, Gos.izd-vo  
polit.lit-ry, 1958. 65 p. (MIRA 12:4)  
(Karaganda--Metallurgical plants)

FEREPELOV, L.

BUROV, A.; FEREPELOV, L.

[Aeronautics in Leningrad] Leningradskaya aviatsiya. [Leningrad]  
Leningradskoe gazetno-zhurnal'noe i knizhnoe izd-vo, 1947. [Micro-  
film] (MIRA 8:3)

(Leningrad--Aeronautics)

SOURCE CODE: UR/0413/67/000/003/0037/0037

ACC NR: AP7009064

INVENTOR: Perepelov, Yu. S.

ORG: None

TITLE: A pulse counter. Class 21, No. 190937

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 3, 1967, 37

TOPIC TAGS: pulse counter, flip flop circuit, logic circuit

ABSTRACT: This Author's Certificate introduces a pulse counter containing flip-flops with counter inputs, and carry circuits. To recover the information when one of the flip-flops is accidentally reversed, the counter has a common collector circuit with inputs connected to the flip-flop inputs. A collector circuit is connected to the output of each flip-flop and the flip-flop input is connected to the output of an exclusion circuit. The output of the collector circuit is connected to one of the exclusion inputs while the second input is connected to the output of the common collector circuit.

UDC: 681.142-523.8:621.374.32

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ACC NR: AP7013158

SOURCE CODE: UR/0062/66/000 012 2209.2211

AUTHOR: Nesmeyanov, A. N.; Perevalova, E. G.; Tsiskaridze, T. T.

ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosudarstvennyy universitet)

TITLE: Differocenoyl and 1,2-differocenylethylene

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 12, 1966, 2209-2211

TOPIC TAGS: ethane, ferrocene, oxidation reduction reaction

SUB CODE: 07

ABSTRACT: The oxidation of 1,2-diferrocenylethane with manganese dioxide was found to result in a mixture of diferrocenoyl and trans-1,2-diferrocenylethylene. The ratio of the diketone and unsaturated compound in the oxidation products depended upon the reaction conditions. 1,2-diferrocenylethylene predominated at room temperature, whereas diferrocenoyl predominated when the mixture was heated. The oxidation of 1,2-diferrocenylethane with MnO<sub>2</sub> is recommended as a simple method for synthesizing diferrocenoyl and 1,2-diferrocenylethylene. Diferrocenoyl is not oxidized by MnO<sub>2</sub>. It forms derivatives with hydroxylamine and 2,4-dinitrophenylhydrazine and reacts with organomagnesium compounds such as n-propyl magnesium bromide with only one carbonyl group. Only in the reduction of diferrocenoyl with lithium aluminum hydride do both carbonyl

UDC: 547.1'3:546.72

0933 0872

ACC NR: AP7013158

groups react, to yield 1,2-diferrocenylethanediol-1,2. Diferrocenoyl does not undergo a benzil-type rearrangement. The 1,2-diferrocenylethane produced in the oxidation of 1,2-diferrocenylethane was found to be the trans isomer. Oxidation of this compound under the conditions of oxidation of 1,2-diferrocenylethane yielded diferrocenoyl and ferrocene aldehyde. Orig. art. has: 5 formulas. [JPRS: 40,422]

"APPROVED FOR RELEASE: 06/15/2000" CIA-RDP86-00513R001240020003-9

Card 2/2

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UDC: 542.958.3 + 547.1'13 + 546.72

0933 0876

ACC NR: AP7013160

are cited for chromatography on alumina impregnated with formamide.  
Orig. art. has: 1 table. [JPRS: 40,422]

Card 2/2

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"Use of the Method of Falling Balls for the  
Characteristics of Structural Viscosity and  
Thixotropy," Dok. AN, 67, No. 3, 1949. Inst. Chem.  
Saratov State Univ. im. N. G. Chernyshevskiy, -c1949-.

PEREPELOVA, T.M., uchitel'nitsa

Inculcating the dialectico-materialistic philosophy in students during chemistry lessons. Khim. v shkole 18 no.3:55-61 My-~~Se~~ '63. (MIRA 16:9)

1. Shkola No.3, Saratov. (Chemistry--Study and teaching) (Dialectical materialism)

PEREPELOVA, T. M.

18 14-90  
Electrodeposition of highly alloyed steel cutting tools

18 11-90

PEREPELYATNIK, P.A.

Self-oscillations in an oscillator with delay. Radiotekh. i  
elektron. 6 no.10:1601-1608 0 '61. (MIRA 14:9)  
(Oscillators, Electron-tube)

GLADUN, A.D.; PEREFELYATNIK, P.A.; MIGULIN, V.V.

Concerning V.N.Iakovlev's article, "Use of a slowly varying  
parameters technique in studying nonlinear self-oscillatory  
systems with delay." Radiotekh. i elektron. 8 no.2:355-357  
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(Automatic control) (Differential equations)

PEREPELIATNIK, P.A.

Concerning some operating modes of a single-tube self-oscillator with  
delay. Izv.vys.ucheb.zav.; radiofiz. 5 no.6:1187-1191 '62.  
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1. Nauchno-issledovatel'skiy institut teploenergeticheskogo pri-  
borostroyeniya. (Oscillators, Electron-tube)

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Biharmonic oscillations in a self-oscillator with time delay  
and asynchronous frequency relationship, Radiotekh. i elektron.  
6 no.11:1832-1838 N '61. (MIRA 14:10)  
(Oscillators, Electric)

PEREPECZKO, Andrzej

Development of carrier based aviation. Wojek przegl 13 no.11:  
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PEREPELITSA, B.A.

Designing the shape of tangential cutting tools for simultaneous  
machining form surfaces and ends of parts. Stan.i instr. 32 no.12:  
1-2 D '61. (MIRA 14:12)

(Metal-cutting tools)

SERGEYEV, A.G., kand.tekhn.nauk; STERLIN, B.Ya., kand.tekhn.nauk; TROS'KO,  
V.I., inzh.; SHATOV, N.K., inzh.; VLASOV, V.I., inzh.; PEREPELYUK,  
N.D., inzh.

Refining of cottonseed oil in a micella. Masl.-zhir.prom. 26 no.12:  
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1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov (for Sergeyev, Sterlin).
2. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta zhirov (for Tros'ko).
3. Tsentral'noye konstruktorskoye byuro Vsesoyuznogo nauchno-issledovatel'skogo instituta zhirov (for Shatov).
4. Kokandskiy maslozhirovoy kombinat (for Vlasov).
5. Ferganskiy maslozhirovoy kombinat (for Perepelyuk).  
(Cottonseed oil)

FLEGONTOVA; AKATOV, S.; AKATOV, K.; ARUTYUNYAN; BAGDASAROV; PEREPELYUK;  
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Obligations in honor of the 22d Congress of the CPSU have been fulfilled. Masl.-zhir. prom. 27 no.11:1-3 N '61. (MIRA 15:1)

1. Zamestitel' nachal'nika ekonomicheskogo otdela Upravleniya meditsinskoy i parfyumernoy promyshlennosti Mosgorsovnarkhcha (for Flegontova). 2. Direktor Leningradskogo mylovarennogo zavoda ~~imani~~ Karpova (for S.Akatov). 3. Direktor Nevskogo mylovarennogo zavoda (for K.Akatov). 4. Glavnyy inzh. Zaporozhskogo maslozhirovogo kombinata (for Arutyunyan). 5. Direktor Yerevanskogo maslozhirovogo kombinata (for Bagdasarov). 6. Direktor Ferganskogo maslozhirovogo kombinata (for Perepelyuk). 7. Glavnyy inzh. Chinkentskogo maslozhirovogo kombinata (for Orlik). 8. Direktor Kazanskogo zhirovogo kombinata (for Romenets). 9. Glavnyy inzh. Gomel'skogo zhirovogo kombinata (for Ikhno). 10. Direktor Novosibirskogo zhirovogo kombinata (for Vlasov). 11. Direktor Odesskogo masloekstraktsionnogo zavoda (for TSirkel'). 12. Direktor Vitebskogo masloekstraktsionnogo zavoda (for Syroyezhko).  
(Oil industries)

SANDLER, R.A.; STRELET'S, Kh.L.; GARMATA, V.A.; RODYAKIN, V.V.; ARUTYUNOV, E.A.;  
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KISELEV, O.G.; PEREPICHAY, A.G.; MARICHEV, A.A.; YELISEYEVA, I.B.;  
SMOL'SKIY, I.Ya.; GOLOV, A.G.

Effect of the rate of feeding titanium tetrachloride into the reactor  
on the indices of the magnesium thermic reduction process. TSvet. met.  
37 no.10:58-60 0 '64. (MIRA 18:7)

USSR / Soil Science. Mineral Fertilizers.

J-4

Abs Jour: Ref Zhur-Biol., No 8, 1958, 31402.

Author : Butkevitch, V. V., Laiykov, N. Z., Perepilitsa,  
V. M.

Inst : Experimental Station of Shatilov.

Title : Effect of Phosphorite, Superphosphate and Manure  
on the Fertility of Lixivated Black Earth.

Orig Pub: Vestn. s. kh. nauki, 1956, No 3, 34-43.

Abstract: In continuous experiments (from 1912 to the year 1946) on lixiviated black earth of the Experimental Station of Shatilov, the following fertilizer placements have been made: phosphorite, computed at the rate of 135 kg per hectare  $P_2O_5$  after every 3 years and superphosphate in the amount of 45 kg/ha  $P_2O_5$  every year, with manure foundation and without it. The latter was placed at

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~~PEREPLATCHIK, I.~~

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42 P '59. (MIRA 12:2)

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SHERMAN, S.I., professor; KISKLEV, A.Ye., dotsent; PEREPLETCHIK, R.R.,  
kandidat tekhnicheskikh nauk; POVRGO, N.S.

Results of treating pernicious anemia with campolon derived from  
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1. Leningrad; iz gematologicheskoy kliniki (zav.-prof. S.I. Sherman),  
Leningradskogo nauchno-issledovatel'skogo instituta perelivaniya krovi.

(ANEMIA, PERNICIOUS, therapy

\*campolon)

(LIVER EXTRACTS, therapeutic use

\*campolon in pernicious anemia)

MARSHAK, I.M., kand.tekhn.nauk; PEREPLETCHIK, R.R., kand.tekhn.nauk

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Polyunsaturated fatty acids constituents of cod-liver oil.  
Trudy VNIIRO 45:80-88 '62. (M.I.A 16:5)  
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